<!-- HazCollect Non-weather Emergency Messages are a specialization of CAP 1.1.
1. There are some tags that are required for CAP, but not used in the downstream NOAA message product. NWEM builders should use these fields appropriately as NWEM Messages may also travel on CAP networks.
2. There are some tags that are normally optional in CAP but are required for NWEM. Some of these are needed in order to support NOAA's Downstream systems.
3. Some cardinalities are more restrictive in NWEM than they are in CAP. These cardinality restrictions are also required to adequately support downstream system requirements.
4. Finally, there are some tags that are optional in CAP and not used by HazCollect. As in 1. above, the OPEN interface will take these fields but will not process them through NWEM. Since an NWEM message may also be posted though the general CAP network, these tags should be used where needed, so they can be processed appropriately in the CAP network. The Comments in the following CAP message further define the specific requirements for processing as an NWEM message
-->

<alert xmlns="urn:oasis:names:tc:emergency:cap:1.1">

    <!-- Identifier must be a unique identifier across the system. Suggest using a system identifier in from of an actual identifier string. The DM program affixes a DM to a form of a randomly generated long integer turned to a string. You may any solution you wish. -->
    <identifier>DM31175138623276154488gh_03</identifier>

        <!-- The sender field is required in CAP but not actually be part of the downstream NOAA product. It is used, however, to appropriately identify the original CAP message and as part of the references tag when referring to previous messages. It is also of value for messages that will travel on CAP networks as well as to HazCollect. A common practice is to use an email identification type format(e.g., senderPerson@domainName.net) It as also acceptable to use the formal COG Name as the sender with underlines in place of spaces as shown below.-->
    <sender>DMI-_Services_Project_Team</sender>

    <!-- time at which the message is released. Exactly as defined in the CAP1.1 spec -->
    <sent>2006-06-16T10:12:29-04:00</sent>

    <!-- Enumerated Value Actual, Exercise, System, or Test. "Draft" from CAP1.1 should not be used in a message intended for NWEM processing. The tag itself in not used in the actual downstream message, but its value but is used in pre-processing. For any message other than Actual the following text must be added to the description value in the info block: " ...THIS IS A <status> MESSAGE. DO NOT TAKE ACTION BASED ON THIS <status> MESSAGE..."
    -->
    <status>Test</status>

    <!-- msgType is not used directly in the downstream NOAA product but is for preprocessing and is relevant for NWEM messages passed in parallel through CAP channels. Initial messages will be of msgType "Alert". The server will use an "Error", "Update" or "Cancel" message to do exactly that if the message references a previously sent NWEM Alert that has not yet expired in its references tag -->

```xml
<msgType>Alert</msgType>

<!--Name/Initial/ID CHECK WITH CRAIG  What is acceptable structure-->
<source>5712239571143566336</source>

<!-- All NWEM Messages should have a Public scope -->
<scope>Public</scope>

<!-- references - The server will use an Error, Update or Cancel messageType message to do exactly
that if the message references a previously sent NWEM Alert that has not yet expired. in its references
tag -->
<references></references>

<!-- An NWEM instance can have only one info block vice the many allowed in regular CAP -->
<info>

   <!--  Language is required. Only two values allowed en-US or sp-US -->
   <language>en-US</language>

   <!-- category is not used in the downstream NOAA product but it is a required field in CAP and is
used through CAP channels. -->
   <category>Other</category>

   <!-- event is a required field for HazCollect. It is still a string but the specific String but is
specialized from CAP.  It must be one of an enumerated set of NWEM names and must relate to the
EventCode tag below. Allowed values will be provided by separate document -->
   <event>Administrative Message/Follow up Statement</event>

   <!--urgency is a required CAP field.  It is not used in the Downstream NOAA product, but is
important for parallel processing of the message in CAP channels -->
   <urgency>Future</urgency>

   <!-- severity is a required CAP field.  It is not used in the Downstream NOAA product, but is
important for parallel processing of the message in CAP channels -->
   <severity>Moderate</severity>

   <!-- certainty is a required CAP field.  It is not used in the Downstream NOAA product, but is
important for parallel processing of the message in CAP channels -->
   <certainty>Unlikely</certainty>

   <!-- eventCode is an optional 1 to many structure in CAP1.1.  For HazCollect exactly one instance
of the tag is required -->
   <eventCode>

      <!-- The only eventCode name recognized by HazCollect is "SAME"  or "same"-->
      <valueName>SAME</valueName>
```

<!-- Must be one of the list of SAME codes recognized by HazCollect. Allowed values will be provided by separate document -->
                <value>ADR</value>
       </eventCode>

       <!-- <effective> is set to the same time as <sent> for HazCollect in an initial message. For update messages <effective> is the time which a new message replaces the previous referenced previous message. It can be no later than 6 hours after the referenced message or it will not be regarded as an update -->
       <effective>2006-04-20T10:12:29-04:00</effective>

       <!-- <onset> is not used in the downstream NOAA product, but may be important for parallel processing of the message in CAP channels

       <expires> is optional in CAP1.1 but required for HazCollect. Known in HazCollect as "product PurgeTime", It also has special requirements in terms of value as follows:
       1. It must not exceed <sent> by more than 360 minutes
       2. It must differ from <sent> in exactly 15-minute intervals up to 120 minutes
       3. It must differ from <sent> in exactly 30-minute intervals between 120 and 360
       For update messages the comparison is to <effective> instead of <sent>
       -->

       <expires>2006-04-20T12:12:29-04:00</expires>

       <!-- sender name is a required and specifically formatted field for HazCollect format is <CogName>,<City>,<State> Most systems will want to generate this field for the user -->
       <senderName>COG Name,Stafford,VA</senderName>

       <!-- A String <= 160 characters including spaces -->
       <headline>THIS MESSAGE IS FOR TEST PURPOSES ONLY. THIS IS TEST MESSAGE NUMBER 1.</headline>

<!-- The NWEM message concatenates the CAP description and the CAP instruction and is limited to a concatenated total <= 15000 characters. The text field for NOAA's downstream product includes the combination of what should semantically be description + instruction in a CAP1.1 message. The interface concatenates for posting to NWEM but will use the original structure for posting the alert message to other CAP users and networks when directed by your application.

The following additional caveat applies to Content intended for NOAA: Text fields (headline, description, instruction) can upper and lower case characters, numbers, single periods, and ellipses (three periods in a row). Other punctuation and symbology are not allowed. No Commas, no double periods, no series of periods totaling more than three. -->
       <description>   ...THIS IS A TEST MESSAGE. DO NOT TAKE ACTION BASED ON THIS TEST MESSAGE...   THIS IS A TEST OF THE CAPABILITY TO RELAY EMERGENCY MESSAGES FROM NON-NATIONAL WEATHER SERVICE SOURCES USING DEPARTMENT

OF HOMELAND SECURITY AND NWS SYSTEMS. THIS TEST MESSAGE IS NOT INTENDED TO ACTIVATE THE EMERGENCY ALERT SYSTEM.</description>

    <instruction>This is a place holder for evac instructions etc. </instruction>

    <!-- One or more area blocks may be used in a Hazcollect message -->
    <!-- The current implementation of HazCollect does not use <polygon> or <circle> within <area>
Support for these structures is projected for a future release. Messages should use polygon and circle where applicable for use on general CAP networks. There is no need to write a separate message for HazCollect consumption so long that the info below is also included -->
    <area>

      <!-- Area Description is a required CAP Field and should be appropriately denied for use on CAP
      networks -->
      <areaDesc>Burleigh and Allegheny Counties in Pennsylvania</areaDesc>

      <!-- Geocode is required for processing through NOAA Allowed values will be specified
separately for each COG by NOAA. They will be dynamically retrievable as a web service interface
The downloadable structure will include administrative names associated with the codes so that systems can build dynamic pick lists for alert creators that includes all "Zone", FIPs, and State codes allowed to the alert issuing COG -->
      <geocode>
        <valueName>fips</valueName>
        <value>38015</value>
      </geocode>
      <geocode>
        <valueName>fips</valueName>
        <value>42003</value>
      </geocode>
      <geocode>
        <valueName>state</valueName>
        <value>PA</value>
      </geocode>
    </area>
  </info>
</alert>